

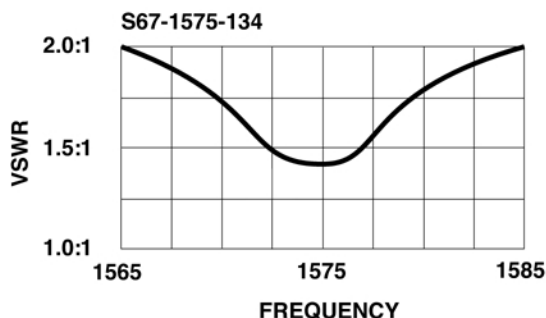


## DESCRIPTION

**S67-1575-134:** ARINC 743A active antenna, low profile, with advanced radome design and material, offers enhanced protection against rain, ice and lightning strikes. 33 dB gain, low-noise, wide bandwidth with special filtering. Accepts +4 to +24 VDC and contains internal voltage regulator. DC bias is provided through coax connector. Hermetically sealed. Meets HIRF/EMI, DO-228 Change 1 and TSO C144 requirements for all critical level MMR installations. See part number S67-1575-135 for TSO C190 equivalents.

**FEDERAL & MILITARY SPECS:** FAA TSO-C129a  
ARINC 743A, DO-160, DO-228, MIL-E-5400,  
MIL-STD-810, TSO-C-144

## PERFORMANCE



## RADIATION PATTERN

1575 MHz  
L1



SPECIFICATIONS	
MODEL	S67-1575-134
ELECTRICAL	
Frequency	1575.42 ± 10 MHz
VSWR	≤ 2.0:1
Polarization	RHCP
Impedance	50 ohms
Axial Ratio	≤ 3 dB @ Zenith
Gain	-1.0 dBic 0° ≤ θ ≤ 75° -2.5 dBic 75° < θ ≤ 80° -4.5 dBic 80° < θ ≤ 85° -7.5 dBic θ = 90° @ Horizon
Gain (preamp)	33.0 ± 3 dB
Power Handling	1 watt
Supply Voltage	+4 to +24 VDC @ 45 mA MAX
Lightning Protection	DC grounded
MECHANICAL	
Weight	9 oz.
Height	.73 in
Width	3.0 in.
Length	4.70 in.
Material	6061-T6 Aluminum Alloy / Thermoset Plastic
Finish	Skydrol-Resistant Polyurethane Enamel
Connector	TNC Female
ENVIRONMENTAL	
Temperature	-55°C (-67°F) TO +85°C (+185°F)
Vibration	10 Gs
Altitude	-100 to 55,000 FT

